

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
Number 2040-0086
Piedmont Regional Office**FORM
2A
NPDES****NPDES FORM 2A APPLICATION OVERVIEW**JUL 23 2012
RECEIVED**APPLICATION OVERVIEW**

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. Basic Application Information for all Applicants.** All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd.** All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. Certification.** All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. Expanded Effluent Testing Data.** A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data.** A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. Industrial User Discharges and RCRA/CERCLA Wastes.** A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - 1. All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - a. Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - c. Is designated as an SIU by the control authority.
- G. Combined Sewer Systems.** A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)

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OMB Number 2040-0086**BASIC APPLICATION INFORMATION****PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS:****All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet.****A.1. Facility Information.**

Facility name Hamilton-Holmes Wastewater Treatment Plant

Mailing Address King William County Public Schools PO Box 185 18548 King William Road
King William, Virginia 23086

Contact person Rick Walters

Title Director of Operations

Telephone number (804) 769-3434

Facility Address 18544 King William Road
(not P.O. Box) King William, Virginia 23086

A.2. Applicant Information. If the applicant is different from the above, provide the following:

Applicant name King William County Public Schools ("KWCPs")

Mailing Address King William County Public Schools PO Box 185 18548 King William Road
King William, Virginia 23086

Contact person Rick Walters

Title Director of Operations

Telephone number (804) 769-3434

Is the applicant the owner or operator (or both) of the treatment works?☒ owner ☒ operator

Indicate whether correspondence regarding this permit should be directed to the facility or the applicant.

☐ facility ☒ applicant**A.3. Existing Environmental Permits.** Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits).

NPDES _____ PSD _____

UIC _____ Other _____

RCRA _____ Other VPDES #VA0023914

A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.).

Name	Population Served	Type of Collection System	Ownership
<u>KWCPS</u>	<u>1,800</u>	<u>Separate</u>	<u>Public School System</u>
_____	_____	_____	_____
_____	_____	_____	_____
Total population served		<u>1,800</u>	

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A.5. Indian Country.

- a. Is the treatment works located in Indian Country?

☐ Yes ☒ No

- b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country?

☐ Yes ☒ No

A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal.

- a. Design flow rate
- 0020
- mgd

	<u>Two Years Ago</u>	<u>Last Year</u>	<u>This Year</u>
b. Annual average daily flow rate	<u>0.0058</u>	<u>0.0061</u>	<u>0.0065</u> mgd
c. Maximum daily flow rate	<u>0.0185</u>	<u>0.0186</u>	<u>0.0192</u> mgd

A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each.

☒ Separate sanitary sewer 100 %
☐ Combined storm and sanitary sewer _____ %

A.8. Discharges and Other Disposal Methods.

- a. Does the treatment works discharge effluent to waters of the U.S.?

☒ Yes ☐ No

If yes, list how many of each of the following types of discharge points the treatment works uses:

i. Discharges of treated effluent 1
ii. Discharges of untreated or partially treated effluent _____
iii. Combined sewer overflow points _____
iv. Constructed emergency overflows (prior to the headworks) _____
v. Other _____

- b. Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.?

☐ Yes ☒ No

If yes, provide the following for each surface impoundment:

Location: _____

Annual average daily volume discharged to surface impoundment(s) 0 mgd

Is discharge _____ continuous or _____ intermittent?

- c. Does the treatment works land-apply treated wastewater?

☐ Yes ☒ No

If yes, provide the following for each land application site:

Location: _____

Number of acres: _____

Annual average daily volume applied to site: _____ Mgd

Is land application _____ continuous or _____ intermittent?

- d. Does the treatment works discharge or transport treated or untreated wastewater to another treatment works?

☒ Yes ☐ No

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Tank Truck

Transporter name: Long's Septic Services

Mailing Address: PO Box 300 Aylett, Virginia 25009

Contact person: Cody Long

Title: Owner

Telephone number: (804) 769-7668

Name: City of Richmond Maury Street Wastewater Treatment Plant

Mailing Address: 1400 Branden Street Richmond, Virginia 23226

Contact person: Sherry Crewe

Title: Environmental Safety Officer

Telephone number: (804) 646-8721

If known, provide the NPDES permit number of the treatment works that receives this discharge.

VPDES# 0063177

Provide the average daily flow rate from the treatment works into the receiving facility.

_____ mgd

- e. Does the treatment works discharge or dispose of its wastewater in a manner not included in A.8.a through A.8.d above (e.g., underground percolation, well injection)?

Yes No

If yes, provide the following for each disposal method:

Description of method (including location and size of site(s) if applicable):

Annual daily volume disposed of by this method:

Is disposal through this method continuous or intermittent?

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WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

A.9. Description of Outfall.

- a. Outfall number 001
- b. Location 23086
(City or town, if applicable) (Zip Code)
King William County Virginia
(County) (State)
37° 41.762 N 077° 02.257 W
(Latitude) (Longitude)
- c. Distance from shore (if applicable) N/A ft.
- d. Depth below surface (if applicable) N/A ft.
- e. Average daily flow rate 0.0065 mgd
- f. Does this outfall have either an intermittent or a periodic discharge? ☒ Yes ☐ No (go to A.9.g.)
- If yes, provide the following information:
- Number of times per year discharge occurs: 200-225
- Average duration of each discharge: 8-10Hours
- Average flow per discharge: 0.0065WhileInSession mgd
- Months in which discharge occurs: January-December
- g. Is outfall equipped with a diffuser? ☐ Yes ☒ No

A.10. Description of Receiving Waters.

- a. Name of receiving water Unnamed Trubutary to Acquinton Creek
- b. Name of watershed (if known) York River Basin
- United States Soil Conservation Service 14-digit watershed code (if known): Not Known
- c. Name of State Management/River Basin (if known): York
- United States Geological Survey 8-digit hydrologic cataloging unit code (if known): Not Know
- d. Critical low flow of receiving stream (if applicable):
acute 0 cfs chronic 0 cfs
- e. Total hardness of receiving stream at critical low flow (if applicable): 69mc/l mg/l of CaCO₃

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A.11. Description of Treatment.

- a. What levels of treatment are provided? Check all that apply.

☐ Primary

☒ Secondary

☐ Advanced

☐ Other. Describe:

- b. Indicate the following removal rates (as applicable):

 Design BOD₅ removal or Design CBOD₅ removal 95 %

 Design SS removal 95 %

 Design P removal 95 %

 Design N removal 95 %

Other _____ %

- c. What type of disinfection is used for the effluent from this outfall? If disinfection varies by season, please describe.

Chlorination

If disinfection is by chlorination, is dechlorination used for this outfall?

☒

Yes

☐

No

- d. Does the treatment plant have post aeration?

☐

Yes

☒

No

A.12. Effluent Testing Information. All Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three samples and must be no more than four and one-half years apart.

 Outfall number: 001

PARAMETER	MAXIMUM DAILY VALUE		AVERAGE DAILY VALUE		
	Value	Units	Value	Units	Number of Samples
pH (Minimum)	7.18	s.u.			
pH (Maximum)	7.77	s.u.			
Flow Rate	0.0169	MGD	0.0062	MGD	12
Temperature (Winter)	22.1	Celsius	17.97	Celsius	12
Temperature (Summer)	26.2	Celsius	22.75	Celsius	12

* For pH please report a minimum and a maximum daily value

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		

CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.

BIOCHEMICAL OXYGEN DEMAND (Report one)	BOD-5	-	-	-	-	-	-	-
	CBOD-5	8.25	Mg/L	8.25	Mg/L	I/M	5210 B	2
FECAL COLIFORM		86.25	N/CML	52.85	M/CML	I/M	922I C	2
TOTAL SUSPENDED SOLIDS (TSS)		3.65	Mg/L	3.65	Mg/L	I/M	25400	1

END OF PART A.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

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OMB Number 2040-0086**BASIC APPLICATION INFORMATION****PART B. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).**All applicants with a design flow rate ≥ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).**B.1. Inflow and Infiltration.** Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.

____ N/A gpd

Briefly explain any steps underway or planned to minimize inflow and infiltration.

_____**B.2. Topographic Map.** Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. This map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show the entire area.)

- The area surrounding the treatment plant, including all unit processes.
- The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
- Each well where wastewater from the treatment plant is injected underground.
- Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
- Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
- If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.

B.3. Process Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all backup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g., chlorination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily flow rates between treatment units. Include a brief narrative description of the diagram.**B.4. Operation/Maintenance Performed by Contractor(s).**

Are any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a contractor? ____ Yes ____ No

If yes, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional pages if necessary).

Name: _____

Mailing Address: _____

Telephone Number: _____

Responsibilities of Contractor: _____

B.5. Scheduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or uncompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for each. (If none, go to question B.6.)

- List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

- Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

____ Yes ____ No

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- c. If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable).

N/A

- d. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible.

	Schedule	Actual Completion
Implementation Stage	MM / DD / YYYY	MM / DD / YYYY
- Begin construction	___/___/___	___/___/___
- End construction	___/___/___	___/___/___
- Begin discharge	___/___/___	___/___/___
- Attain operational level	___/___/___	___/___/___

- e. Have appropriate permits/clearances concerning other Federal/State requirements been obtained? ☐ Yes ☐ No

Describe briefly: _____

B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY).

Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall Number: _____

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERAGE DAILY DISCHARGE			ANALYTICAL METHOD	ML / MDL
	Conc.	Units	Conc.	Units	Number of Samples		
CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS.							
AMMONIA (as N)							
CHLORINE (TOTAL RESIDUAL, TRC)							
DISSOLVED OXYGEN							
TOTAL KJELDAHL NITROGEN (TKN)							
NITRATE PLUS NITRITE NITROGEN							
OIL and GREASE							
PHOSPHORUS (Total)							
TOTAL DISSOLVED SOLIDS (TDS)							
OTHER							

END OF PART B.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

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OMB Number 2040-0086**BASIC APPLICATION INFORMATION****PART C. CERTIFICATION**

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which parts of Form 2A you have completed and are submitting:☒ Basic Application Information packet

Supplemental Application Information packet:

☐ Part D (Expanded Effluent Testing Data)☐ Part E (Toxicity Testing: Biomonitoring Data)☐ Part F (Industrial User Discharges and RCRA/CERCLA Wastes)☐ Part G (Combined Sewer Systems)**ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title Rick Walters

Signature

Telephone number (804) 769-3434

Date signed

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO:

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SUPPLEMENTAL APPLICATION INFORMATION

PART D. EXPANDED EFFLUENT TESTING DATA

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Treatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall number: N/A (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
METALS (TOTAL RECOVERABLE), CYANIDE, PHENOLS, AND HARDNESS.											
ANTIMONY											
ARSENIC											
BERYLLIUM											
CADMIUM											
CHROMIUM											
COPPER											
LEAD											
MERCURY											
NICKEL											
SELENIUM											
SILVER											
THALLIUM											
ZINC											
CYANIDE											
TOTAL PHENOLIC COMPOUNDS											
HARDNESS (AS CaCO ₃)											
Use this space (or a separate sheet) to provide information on other metals requested by the permit writer.											

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 Outfall number: N/A (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
VOLATILE ORGANIC COMPOUNDS.											
ACROLEIN											
ACRYLONITRILE											
BENZENE											
BROMOFORM											
CARBON TETRACHLORIDE											
CLOROBENZENE											
CHLORODIBROMO-METHANE											
CHLOROETHANE											
2-CHLORO-ETHYL VINYL ETHER											
CHLOROFORM											
DICHLOROBROMO-METHANE											
1,1-DICHLOROETHANE											
1,2-DICHLOROETHANE											
TRANS-1,2-DICHLORO-ETHYLENE											
1,1-DICHLOROETHYLENE											
1,2-DICHLOROPROPANE											
1,3-DICHLORO-PROPYLENE											
ETHYLBENZENE											
METHYL BROMIDE											
METHYL CHLORIDE											
METHYLENE CHLORIDE											
1,1,2,2-TETRACHLORO-ETHANE											
TETRACHLORO-ETHYLENE											
TOLUENE											

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POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
1,1,1-TRICHLOROETHANE											
1,1,2-TRICHLOROETHANE											
TRICHLORETHYLENE											
VINYL CHLORIDE											

Use this space (or a separate sheet) to provide information on other volatile organic compounds requested by the permit writer.

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ACID-EXTRACTABLE COMPOUNDS

P-CHLORO-M-CRESOL											
2-CHLOROPHENOL											
2,4-DICHLOROPHENOL											
2,4-DIMETHYLPHENOL											
4,6-DINITRO-O-CRESOL											
2,4-DINITROPHENOL											
2-NITROPHENOL											
4-NITROPHENOL											
PENTACHLOROPHENOL											
PHENOL											
2,4,6-TRICHLOROPHENOL											

Use this space (or a separate sheet) to provide information on other acid-extractable compounds requested by the permit writer.

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BASE-NEUTRAL COMPOUNDS.

ACENAPHTHENE											
ACENAPHTHYLENE											
ANTHRACENE											
BENZIDINE											
BENZO(A)ANTHRACENE											
BENZO(A)PYRENE											

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	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
3,4 BENZO-FLUORANTHENE											
BENZO(GH)PERYLENE											
BENZO(K)FLUORANTHENE											
BIS (2-CHLOROETHOXY) METHANE											
BIS (2-CHLOROETHYL)-ETHER											
BIS (2-CHLOROISO-PROPYL) ETHER											
BIS (2-ETHYLHEXYL) PHTHALATE											
4-BROMOPHENYL PHENYL ETHER											
BUTYL BENZYL PHTHALATE											
2-CHLORONAPHTHALENE											
4-CHLORPHENYL PHENYL ETHER											
CHRYSENE											
DI-N-BUTYL PHTHALATE											
DI-N-OCTYL PHTHALATE											
DIBENZO(A,H) ANTHRACENE											
1,2-DICHLOROBENZENE											
1,3-DICHLOROBENZENE											
1,4-DICHLOROBENZENE											
3,3-DICHLOROBENZIDINE											
DIETHYL PHTHALATE											
DIMETHYL PHTHALATE											
2,4-DINITROTOLUENE											
2,6-DINITROTOLUENE											
1,2-DIPHENYLHYDRAZINE											

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POLLUTANT	MAXIMUM DAILY DISCHARGE				AVERAGE DAILY DISCHARGE					ANALYTICAL METHOD	ML/ MDL
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples		
FLUORANTHENE											
FLUORENE											
HEXACHLOROBENZENE											
HEXACHLOROBUTADIENE											
HEXACHLOROCYCLO-PENTADIENE											
HEXACHLOROETHANE											
INDENO(1,2,3-CD)PYRENE											
ISOPHORONE											
NAPHTHALENE											
NITROBENZENE											
N-NITROSODI-N-PROPYLAMINE											
N-NITROSODI- METHYLAMINE											
N-NITROSODI-PHENYLAMINE											
PHENANTHRENE											
PYRENE											
1,2,4-TRICHLOROBENZENE											

Use this space (or a separate sheet) to provide information on other base-neutral compounds requested by the permit writer.

Use this space (or a separate sheet) to provide information on other pollutants (e.g., pesticides) requested by the permit writer.

END OF PART D.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086

SUPPLEMENTAL APPLICATION INFORMATION

PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods. If test summaries are available that contain all of the information requested below, they may be submitted in place of Part E.

If no biomonitoring data is required, do not complete Part E. Refer to the Application Overview for directions on which other sections of the form to complete.

E.1. Required Tests.

Indicate the number of whole effluent toxicity tests conducted in the past four and one-half years.

____ chronic ____ acute

E.2. Individual Test Data. Complete the following chart for each whole effluent toxicity test conducted in the last four and one-half years. Allow one column per test (where each species constitutes a test). Copy this page if more than three tests are being reported.

Test number: _____ Test number: _____ Test number: _____

a. Test information.

Test species & test method number	N/A		
Age at initiation of test			
Outfall number			
Dates sample collected			
Date test started			
Duration			

b. Give toxicity test methods followed.

Manual title			
Edition number and year of publication			
Page number(s)			

c. Give the sample collection method(s) used. For multiple grab samples, indicate the number of grab samples used.

24-Hour composite			
Grab			

d. Indicate where the sample was taken in relation to disinfection. (Check all that apply for each)

Before disinfection			
After disinfection			
After dechlorination			

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086

Test number: _____

Test number: _____

Test number: _____

e. Describe the point in the treatment process at which the sample was collected.

Sample was collected:

N/A

f. For each test, include whether the test was intended to assess chronic toxicity, acute toxicity, or both.

Chronic toxicity

Acute toxicity

g. Provide the type of test performed.

Static

Static-renewal

Flow-through

h. Source of dilution water. If laboratory water, specify type; if receiving water, specify source.

Laboratory water

Receiving water

i. Type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used.

Fresh water

Salt water

j. Give the percentage effluent used for all concentrations in the test series.

k. Parameters measured during the test. (State whether parameter meets test method specifications)

pH

Salinity

Temperature

Ammonia

Dissolved oxygen

l. Test Results.

Acute:

Percent survival in 100%
effluent

%

%

%

LC₅₀

95% C.I.

%

%

%

Control percent survival

%

%

%

Other (describe)

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086

Chronic:

NOEC	N/A %	%	%
IC ₂₅	%	%	%
Control percent survival	%	%	%
Other (describe)			

m. Quality Control/Quality Assurance.

Is reference toxicant data available?			
Was reference toxicant test within acceptable bounds?			
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)			

E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation?

____ Yes ____ No If yes, describe: _____

E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results.

Date submitted: _____ (MM/DD/YYYY)

Summary of results: (see instructions)

_____**END OF PART E.****REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.**

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086**SUPPLEMENTAL APPLICATION INFORMATION****PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES**

All treatment works receiving discharges from significant industrial users or which receive RCRA, CERCLA, or other remedial wastes must complete Part F.

GENERAL INFORMATION:

F.1. Pretreatment Program. Does the treatment works have, or is it subject to, an approved pretreatment program?

____ Yes ____ No

F.2. Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of industrial users that discharge to the treatment works.

a. Number of non-categorical SIUs. N/A

b. Number of CIUs. _____

SIGNIFICANT INDUSTRIAL USER INFORMATION:

Supply the following information for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 and provide the information requested for each SIU.

F.3. Significant Industrial User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional pages as necessary.

Name: _____

Mailing Address: _____

F.4. Industrial Processes. Describe all of the industrial processes that affect or contribute to the SIU's discharge.

F.5. Principal Product(s) and Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's discharge.

Principal product(s): _____

Raw material(s): _____

F.6. Flow Rate.

a. Process wastewater flow rate. Indicate the average daily volume of process wastewater discharged into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent.

_____ gpd (____ continuous or ____ intermittent)

b. Non-process wastewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection system in gallons per day (gpd) and whether the discharge is continuous or intermittent.

_____ gpd (____ continuous or ____ intermittent)

F.7. Pretreatment Standards. Indicate whether the SIU is subject to the following:

a. Local limits _____ Yes ____ No

b. Categorical pretreatment standards _____ Yes ____ No

If subject to categorical pretreatment standards, which category and subcategory?

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086**F.8. Problems at the Treatment Works Attributed to Waste Discharged by the SIU.** Has the SIU caused or contributed to any problems (e.g., upsets, interference) at the treatment works in the past three years?☐ Yes ☐ No If yes, describe each episode.

N/A

RCRA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEDICATED PIPELINE:**F.9. RCRA Waste.** Does the treatment works receive or has it in the past three years received RCRA hazardous waste by truck, rail, or dedicated pipe? ☐ Yes ☐ No (go to F.12.)**F.10. Waste Transport.** Method by which RCRA waste is received (check all that apply):☐ Truck ☐ Rail ☐ Dedicated Pipe**F.11. Waste Description.** Give EPA hazardous waste number and amount (volume or mass, specify units).EPA Hazardous Waste NumberAmountUnits**CERCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CORRECTIVE ACTION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WASTEWATER:****F.12. Remediation Waste.** Does the treatment works currently (or has it been notified that it will) receive waste from remedial activities?☐ Yes (complete F.13 through F.15.) ☐ No

Provide a list of sites and the requested information (F.13 - F.15.) for each current and future site.

F.13. Waste Origin. Describe the site and type of facility at which the CERCLA/RCRA/or other remedial waste originates (or is expected to originate in the next five years).**F.14. Pollutants.** List the hazardous constituents that are received (or are expected to be received). Include data on volume and concentration, if known. (Attach additional sheets if necessary).**F.15. Waste Treatment.**

a. Is this waste treated (or will it be treated) prior to entering the treatment works?

☐ Yes ☐ No

If yes, describe the treatment (provide information about the removal efficiency):

b. Is the discharge (or will the discharge be) continuous or intermittent?

☐ Continuous ☐ Intermittent If intermittent, describe discharge schedule.**END OF PART F.**
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086**SUPPLEMENTAL APPLICATION INFORMATION****PART G. COMBINED SEWER SYSTEMS****If the treatment works has a combined sewer system, complete Part G.****G.1. System Map.** Provide a map indicating the following: (may be included with Basic Application Information)

- All CSO discharge points.
- Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems, and outstanding natural resource waters).
- Waters that support threatened and endangered species potentially affected by CSOs.

G.2. System Diagram. Provide a diagram, either in the map provided in G.1. or on a separate drawing, of the combined sewer collection system that includes the following information:

- Locations of major sewer trunk lines, both combined and separate sanitary.
- Locations of points where separate sanitary sewers feed into the combined sewer system.
- Locations of in-line and off-line storage structures.
- Locations of flow-regulating devices.
- Locations of pump stations.

CSO OUTFALLS:**Complete questions G.3 through G.6 once for each CSO discharge point.****G.3. Description of Outfall.**

- Outfall number N/A
- Location
(City or town, if applicable) _____ (Zip Code) _____
(County) _____ (State) _____
(Latitude) _____ (Longitude) _____
- Distance from shore (if applicable) _____ ft.
- Depth below surface (if applicable) _____ ft.
- Which of the following were monitored during the last year for this CSO?
____ Rainfall ____ CSO pollutant concentrations ____ CSO frequency
____ CSO flow volume ____ Receiving water quality
- How many storm events were monitored during the last year? _____

G.4. CSO Events.

- Give the number of CSO events in the last year.
_____ events (____ actual or ____ approx.)
- Give the average duration per CSO event.
_____ hours (____ actual or ____ approx.)

FACILITY NAME AND PERMIT NUMBER:

Hamilton-Holmes Wastewater Treatment Plant VPDES #VA0023914

Form Approved 1/14/99
OMB Number 2040-0086

- c. Give the average volume per CSO event.

N/A million gallons (actual or approx.)

- d. Give the minimum rainfall that caused a CSO event in the last year.

inches of rainfall

G.5. Description of Receiving Waters.

- a. Name of receiving water: _____

- b. Name of watershed/river/stream system: _____

United States Soil Conservation Service 14-digit watershed code (if known): _____

- c. Name of State Management/River Basin: _____

United States Geological Survey 8-digit hydrologic cataloging unit code (if known): _____

G.6. CSO Operations.

Describe any known water quality impacts on the receiving water caused by this CSO (e.g., permanent or intermittent beach closings, permanent or intermittent shell fish bed closings, fish kills, fish advisories, other recreational loss, or violation of any applicable State water quality standard).

END OF PART G.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

Additional information, if provided, will appear on the following pages.

#A.12

Piedmont Regional Office

JUL 23 2012

RECEIVED

PH ~~min~~~~max~~

min

max

June 12	7.5	8.0
May 12	7.5	7.5
April 12	7.5	7.5
March 12	7.5	7.5
Feb 12	7.0	7.5
Jan 12	7.0	8.0
Dec 11	7.5	7.5
Nov 11	7.0	8.0
Oct 11	7.0	8.0
Sept 11	7.5	8.0
Aug 11	7.5	8.0
July 11	7.5	8.0
June 11	7.5	8.0
May 11	7.0	7.5
April 11	7.0	8.0
March 11	7.0	7.5
Feb 11	7.0	7.5
Jan 11	7.0	8.0
Dec 10	7.0	7.5
Nov 10	7.0	7.5
Oct 10	7.0	8.0
Sept 10	7.0	8.0
Aug 10	7.5	8.0
July 10	7.5	8.0
June 10	7.5	8.0
May 10	7.0	7.5
April 10	7.0	7.5
March 10	7.0	7.5
Feb 10	6.5	8.0
Jan 10	7.0	8.0
Dec 09	7.0	7.5
Nov 09	7.0	8.0
Oct 09	7.0	7.5
Sept 09	7.0	8.0
Aug 09	7.5	8.0
July 09	7.5	8.0

36 | 258.499

36 |

280.5

7.777

7.180

~~258.499~~

A.12 CBOD-5 Method 5210B

	<u>MAX</u>	<u>Ave</u>
June 8, 2012	6.00	6.00 mg/L
May 10, 2012	10.00	10.00 mg/L
April 19, 2012	14.00	14.00 mg/L
March 9, 2012	<QL	<QL
Feb 9, 2012	6.00	6.00 mg/L
JAN 12, 2012	<QL	<QL
Dec 13, 2011	<QL	<QL
Nov 9, 2011	14.00	14.00 mg/L
Oct 13, 2011	7.00	7.00 mg/L
Sept 15, 2011	10.00	10.00 mg/L
Aug 12, 2011	23.00	23.00 mg/L
July 13, 2011	9.00	9.00 mg/L

$\begin{array}{r} 12 \overline{) 99} \\ 8.25 \end{array}$ <p>8.25 Average maximum</p>	$\begin{array}{r} 12 \overline{) 99} \\ 8.25 \end{array}$ <p>8.25 AVERAGE</p>
---	---

A.12 Fecal Coliform Method 9221C

	<u>MAX</u>	<u>Ave</u>
June 8, 2012	130	130 N/CML
May 10, 2012	23	23 N/CML
April 19, 2012	9	9 N/CML
March 9, 2012	170	170 N/CML
Feb 9, 2012	23	23 N/CML
JAN 12, 2012	23	23 N/CML
Dec 13, 2012	23	23 N/CML
Nov 9, 2012	2	2 N/CML
Oct 13, 2012	300	134 N/CML
Sept 15, 2012	300	65 N/CML
Aug 12, 2012	2	2 N/CML
July 13, 2012	30	30 N/CML

$\begin{array}{r} 12 \overline{) 1,035} \\ 86.25 \end{array}$ <p>86.25 Average Maximum</p>	$\begin{array}{r} 12 \overline{) 634} \\ 52.83 \end{array}$ <p>52.83 Average</p>
--	--

A.12 Flw Rates

Flw	MAX	Ave
JUNE 2012	23,100	6,126
April 2012	16,300	6,186
Feb 2012	15,300	7,610
NOV. 2011	11,300 16,100	1,377 7,666
Aug 2011	11,300	1,377
MARCH 2011	15,400	7,748
JAN 2011	15,600	5,948
Oct 2010	38,100	9,414
July 2010	6,100	690
MAY 2010	17,100	8,216
MARCH 2010	14,400	7,861
JAN 2010	14,900	5,600

$$12 \overline{) 203,700}$$

$$16,975 / 0.0169$$

$$12 \overline{) 74,502}$$

$$6,208.5 / 0.00620$$

#A.6 ANNUAL Average Flow Rate
Maximum Daily Flow Rate

2yrs / last yr / This yr

This Year	ANNUAL	MAX
JUNE 12	6,126	23,100
MAY 12	10,574	26,700
APRIL 12	6,186	16,300
MARCH 12	7,751	16,100
FEB 12	7,610	15,300
JAN 12	6,929	16,400
DEC 11	4,419	14,900
NOV 11	7,666	16,100
OCT 11	9,845	23,000
SEPT 11	7,400	16,900
AUG 11	1,377	11,300
JULY 11	2,464	34,400
12 /	78,347	12 / 230,500
	6,528 / 0.0065	19,208 / 0.0192

MAX
12 / 223,100
18,591.666 / 0.018

Last Year	ANNUAL	MAX
JUNE 11	6,343	20,800
MAY 11	9,170	19,200
APRIL 11	6,110	15,600
MARCH 11	7,748	15,400
FEB 11	7,400	15,000
JAN 11	5,948	15,600
DEC 10	3,990	14,500
NOV 10	6,880	17,600
OCT 10	9,474	38,100
SEPT 10	8,800	20,800
AUG 10	1,619	25,200
JULY 10	690	6,100

2yr
ANNUAL

12 / 70,468,999
5,872.4 / 0.0058

$$12 / 74242 = 6186 / 0.0061 \quad 12 / 223900 = 18658 / 0.0186$$

~~12 / 63,207 = 5,111 / 0.0052~~

~~12 / 167,200 = 16,133 / 0.0157~~

YR	ANNUAL	MAX
JUNE 10	7,180	25,900
MAY 10	8,216	17,100
APRIL 10	7,103	30,100
MARCH 10	7,861	14,400
FEB 10	4,450	11,700
JAN 10	5,600	14,900

	ANNUAL	MAX
DEC 09	4,596	13,100
NOV 09	6,240	13,500
OCT 09	8,093	15,600
SEPT 09	7,660	19,700
AUG 09	1,503	17,000
JULY 09	1,967	30,100

A-12 TSS Method 2540D

	MAX	Ave
June 8, 2012	1.6	1.6 mg/L
May 10, 2012	3.0	3.0 mg/L
April 19, 2012	4.8	4.8 mg/L
March 9, 2012	3.0	3.0 mg/L
Feb 9, 2012	1.9	1.9 mg/L
Jan 12, 2012	5.5	5.5 mg/L
Dec 13, 2011	4.7	4.7 mg/L
Nov 9, 2011	3.9	3.9 mg/L
Oct 13, 2011	4.0	4.0 mg/L
Sept 15, 2011	2.6	2.6 mg/L
Aug 12, 2011	5.4	5.4 mg/L
July 13, 2011	3.4	3.4 mg/L
	12 / 43.8	12 / 43.8
	3.65 mg/L	3.65 mg/L
	MAXIMUM	AVERAGE
	AVERAGE	

A in I - continue

A.12

Winter

Temp (Water)

Summer

MARCH 12	2012	16.7
MARCH 23	2012	19.6
FEB 2	2012	17.3
FEB 13	2012	15.4
JAN 11	2012	15.6 °C
JAN 24	2012	15.3 °C
DEC 7	2011	20.8 °C
DEC 14	2011	16.3 °C
NOV 16	2011	22.1 °C
NOV 4	2011	16.2 °C
OCT 10	2011	19.7 °C
OCT 19	2011	20.7 °C

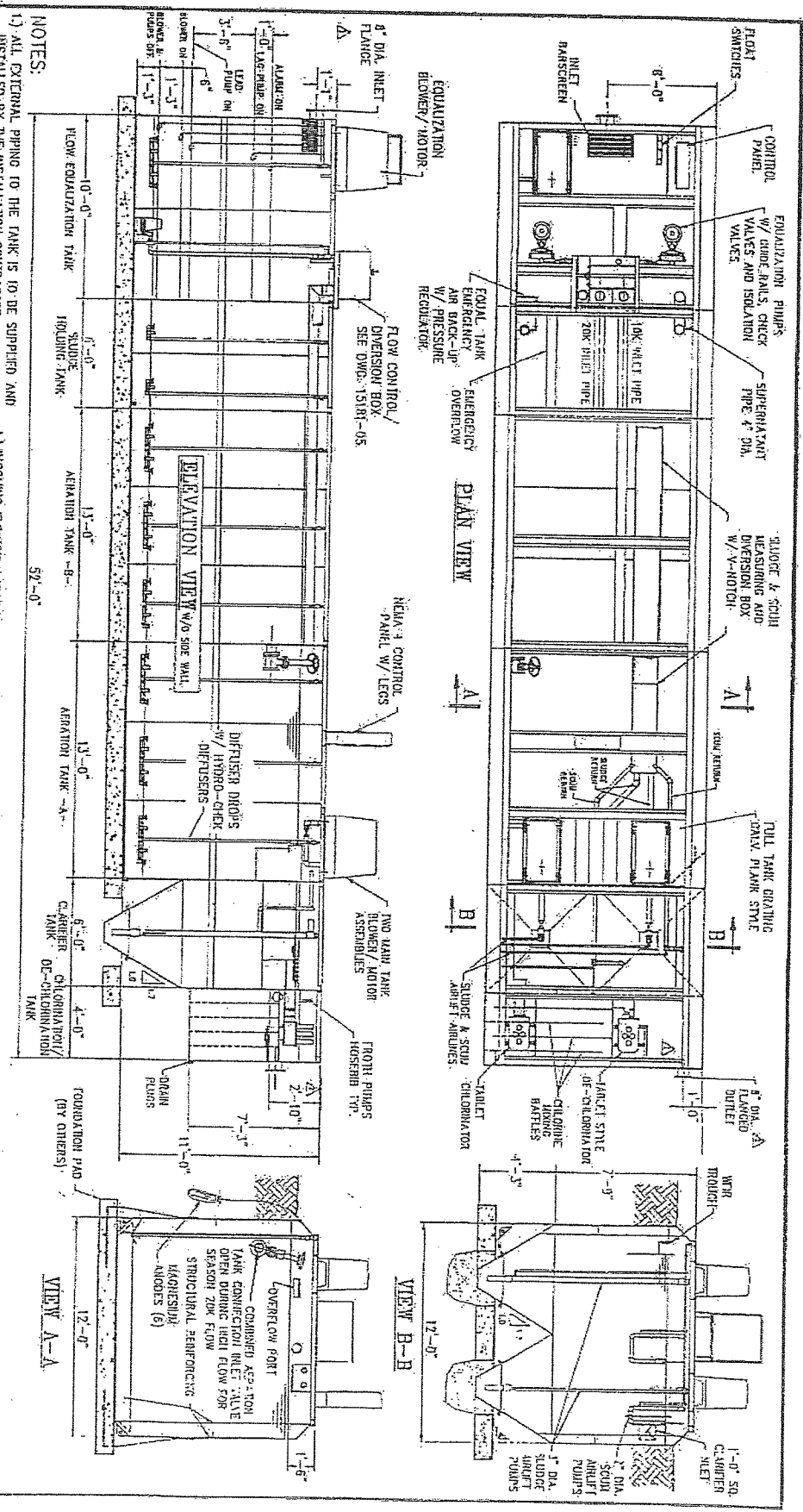
12/ 215.7

17.97 °C

Sept 7	2011	23.7 °C
Sept 16	2011	23.0 °C
AUG 12	2011	26.2 °C
AUG 31	2011	23.4 °C
JULY 6	2011	24.7 °C
JULY 26	2011	27.3 °C
JUNE 3	2011	23.0 °C
JUNE 20	2011	23.1 °C
MAY 10	2011	18.5 °C
MAY 17	2011	19.8 °C
APRIL 12	2011	21.3 °C
APRIL 25	2011	19.1 °C

12/ 273.1

22.75 °C



NOTES:

- 1) ALL EXTERNAL PIPING TO THE TANK IS TO BE SUPPLIED AND INSTALLED BY THE INSTALLATION CONTRACTOR.
- 2) FOUNDATION PAD MATERIALS AND DESIGN IS DETERMINED BY THE PROJECT ENGINEER AFTER SOIL ANALYSIS IS COMPLETED.
- 3) MATERIALS FOR ANCHORING OF TANK TO THE FOUNDATION PAD IS TO BE SUPPLIED BY OTHERS.
- 4) INCLUDING ELECTRICAL POWER AND CONNECTION TO THE CONTROL PANEL IS BY THE ELECTRICAL CONTRACTOR.
- 5) ALL TANK SURFACES TO BE PAINTED WITH ONE COAT OF COAL TAR EPOXY PAINT KOP-COAT 3000 OR APPROVED EQUAL. 8-10 MILS.
- 6) ALL INTERNAL TANK PIPING TO BE GALVANIZED STEEL.

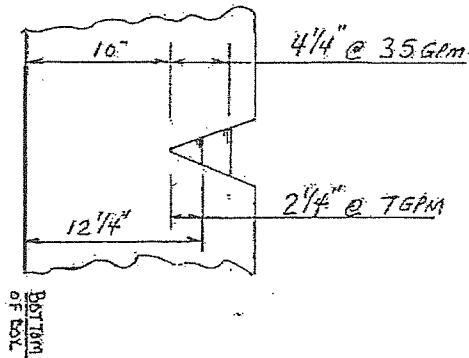
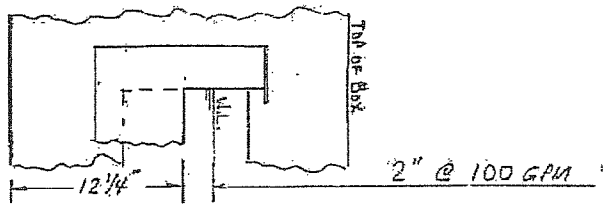
PLANT MODEL NUMBER	DESIGN FLOW	AERATION TANK -A- VOLUME	AERATION TANK -B- VOLUME	EQUAL. TANK VOLUME	CLARIFIER TANK VOLUME	SLUDGE TANK VOLUME	CHLORINE TANK VOLUME	DE-CHLOR. TANK VOLUME	AERATION TANK EQUAL. TANK	IP	CH	HP	CH	REV.	DATE	DISCUSSION	ESTIMATED SHIPPING WEIGHT	PCS	10/20,000 GPD WASTEWATER PLANT	KING WILLIAMS COUNTY SCHOOLS
PR-10/20-ESC	20,000	10,950	10,950	7,550	3,938	5,040	400	7.5	14	1.5	20	14	1.5	REV. 1	10/20	10/20	41,000	PCS	10/20,000 GPD WASTEWATER PLANT	KING WILLIAMS COUNTY SCHOOLS

PCS Pollution Control Systems, Inc.

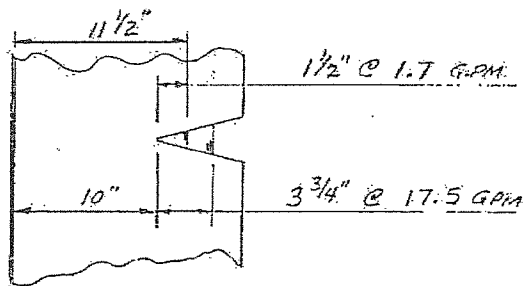
2877 Happy Valley Dr., Suite 100
 (408) 281-1155
 (408) 281-1155

10/20,000 GPD WASTEWATER PLANT
 10/20,000 GPD WASTEWATER PLANT
 10/20,000 GPD WASTEWATER PLANT

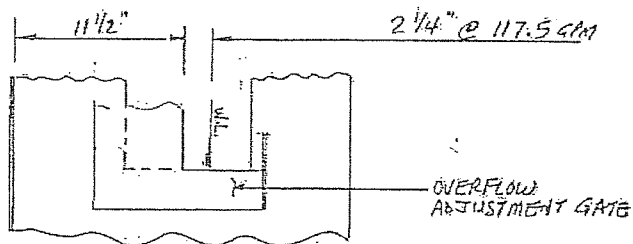
DATE: 11-16-01
 DRAWN BY: JLM
 CHECKED BY: JLM
 DATE: 11-16-01
 13/01-01A



PUMP RATE: 135 GPM
FLOW (a) = 20,000 GPD

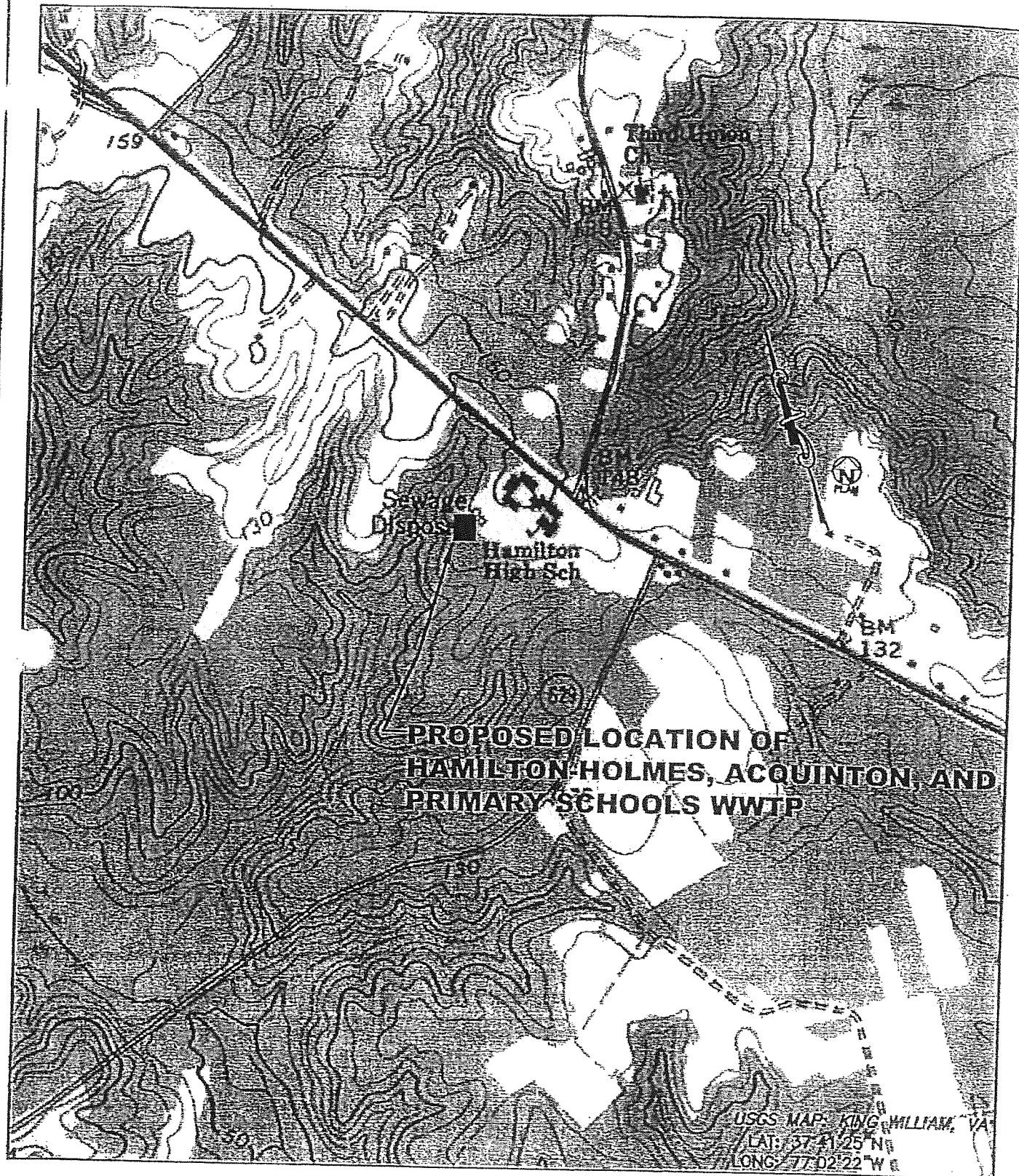


PUMP RATE: 135 GPM
FLOW (a) = 10,000 GPD



REV.	DATE	DESCRIPTION	BY

PCS Pollution Control Systems, Inc. 5402 Hardy Harbor Rd. Suite 18 Willow Grove, PA 19080 (215) 831-1185 E-mail: pcc@pcsinc.com		KING WILLIAM COUNTY, SCHOOLS BROAD WEIR SETTINGS / FLOW RATES FOR 10,000 & 20,000 GPD	
SCALE: 1/2" = 1'	DRAWN BY: JAC	DATE: 12/16/02	PROJECT NO: 15181-101
DATE: 12/16/02	CHECKED BY: JAC	DATE: 12/16/02	PROJECT NO: 15181-101



TIMMONS
• CIVIL ENGINEERS •

CORPORATE HEADQUARTERS
711 N. COURTHOUSE ROAD
RICHMOND, VIRGINIA 23236-4099
TELEPHONE: (804) 794-3500
FAX: (804) 794-7639

KING WILLIAM PUBLIC SCHOOLS
KING WILLIAM COUNTY, VIRGINIA
HAMILTON-HOLMES, ACQUINTON, AND PRIMARY SCHOOLS WWTP

DATE: 10/16/01 Rev.1
SCALE: NTS
DRAWN BY: DTN

VPDES Permit Application Addendum

Piedmont Regional Office
JUL 23 2012
RECEIVED

1. **Entity to whom the permit is to be issued:** King William County Public Schools
Who will be legally responsible for the wastewater treatment facilities and compliance with the permit or may not be the facility or property owner.
2. **Is this facility located within city or town boundaries?** NO
3. **What is the tax map parcel number for the land where this facility is located?** 37-19
4. **For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities?** None
5. **ALL FACILITIES: What is the design average flow of this facility?** 0.020 MGD
Industrial facilities: **What is the max. 30-day avg. production level (include units)?** _____

In addition to the above design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels? NO

If AYes, please specify the other flow tiers (in MGD) or production levels: _____

Please consider: Is your facility's design flow considerably greater than your current flow? Do you plan to expand operations during the next five years?

6. **Nature of operations generating wastewater:**
3 Public Schools Generate the Wastewater Handled by the Plant.
- 0 % of flow from domestic connections/sources
Number of private residences to be served by the wastewater treatment facilities: X 0 1-49 50 or more
- 100% of flow from non-domestic connections/sources
7. **Mode of discharge:** Continuous X Intermittent Seasonal
Describe frequency and duration of intermittent or seasonal discharges: Wastewater from each school flows into separate pumping stations creating intermittent flows from each school to WWTP.
8. **Identify the characteristics of the receiving stream at the point just above the facility's discharge point:**
 Permanent stream, never dry
 X Intermittent stream, usually flowing, sometimes dry
 Ephemeral stream, wet-weather flow, often dry
 Effluent-dependent stream, usually or always dry
 Lake or pond at or below the discharge point
 Other: _____
9. **Approval Date(s):**
O & M Manual August 2002 Sludge/Solids Management Plan December 25, 2002

Have there been any changes in your operations or procedures since the above approval dates? NO